



MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Solar Innovations Inc.
31 Roberts Road
Pine Grove, Pennsylvania, PA 17963

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "5000 ST" Aluminum Infolding Doors

APPROVAL DOCUMENT: Drawing No. **08-00081 Rev B** (Former **FL 00081**), titled "5000 ST In-Folding Door", sheets 1 through 7 of 7, prepared by manufacture, dated 02-15-07 and last revised on 03/21/2012, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control section.

MISSILE IMPACT RATING: Large and Small Missile Impact

Limitations:

1. Not approved where water infiltration requirement is needed
2. Glazing structural silicone is limited to "GE SILPRUF" silicone sealant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA # 07-1012.06** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No 12-0329.07
Expiration Date: December 28, 2012
Approval Date: June 28, 2012
Page 1



6/18/12

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under file # **07-1012.06**)
2. Drawing No. **08-00081 Rev B** (Former **FL 00081**), titled "5000 ST In-Folding Door", sheets 1 through 7 of 7, prepared by manufacture, dated 02-15-07 and last revised on 03/21/2012, signed and sealed by Luis R. Lomas, P.E.

Note: This revision consists of FBC 2010 notes only.

B. TESTS (Submitted under file # **07-1012.06**)

1.
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94(Not performed)
 - 4) Large Missile Impact Test, per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading, per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with marked-up drawing and installation diagram of aluminum Inswing /Outswing folding door, prepared by National Certified Testing Laboratories, Inc., No. **NCTL-110-10115-1**, dated 01/03/07, signed and sealed by Robert H. Zeiders, P.E.

(Note: This test report sheets 1 and 2 of 7 have been revised on 12/06/07, signed and sealed by Robert H. Zeiders, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis complying w/ FBC 2004, dated 02-22-07, prepared, signed and sealed by Luis R. Lomas, P.E.(Submitted under file # **07-1012.06**)
2. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

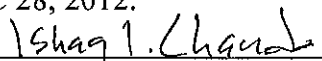
1. Notice of Acceptance No. **08-1118.07** issued to OldCastle Glass, Inc. for their "**Storm Glass ®** Glass interlayer", expiring on 11/11/13.

F. STATEMENTS

1. Statement letter of conformance to FBC 2010 and letter of no financial interest, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Statement letter dated Dec. 11, 2007 issued by Solar Innovation Inc, identifying glazing sealant, signed by Ms. Michele Shockey. (Submitted under file # **07-1012.06**)
3. Addendum letter dated May 10, 2007, issued by National Certified Testing Laboratories
4. Statement letter of conformance and "No financial interest", dated 02/22/07, signed and sealed by Luis R. Lomas, P.E. (Submitted under file # **07-1012.06**)
5. Lab compliance as part of the above referenced test report.

G. OTHER

1. This NOA **revises** NOA # **07-1012.06**, expiring on DEC 28, 2012.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 12-0329.07
Expiration Date: December 28, 2012
Approval Date: June 28, 2012

NOTES:

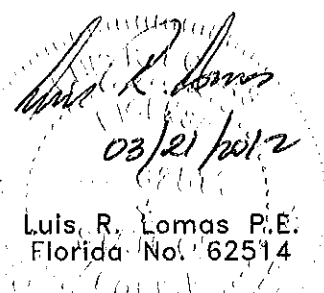
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2010 FLORIDA BUILDING CODE, INCLUDING THE HVHZ.
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF OPENING AND ALL WOOD FRAMING AROUND OPENING
- 4) ALL EXTRUSIONS ARE 6063-T6 ALUMINUM ALLOY, UNLESS OTHERWISE NOTED.
- 5) ALL FASTENERS, NUTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60KSI.
- 6) APPLICABLE TEST REPORT: NCTL 110-10115-1
- 7) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS WHERE ARE REQUIRED BY THE CODE.
- 8) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM TO BE 1/4".
- 9) FOR ANCHORING INTO CONCRETE USE 3/8" DIAMETER 3" LONG LDT ANCHORS BY ITW/REDHEAD TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 3 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATION DETAILS.
- 10) FOR ANCHORING INTO WOOD FRAMING, AT JAMBS USE #12 SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 3/4" MINIMUM EDGE DISTANCE. AT HEAD AND SILL 3/8" LAG BOLTS OF SUFFICIENT LENGTH TO ACHIEVE A 2 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1-1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATION DETAILS.

6/18/12

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	6/25/07	R.L.
B	REVISED NOTE 1	03/22/12	R.L.

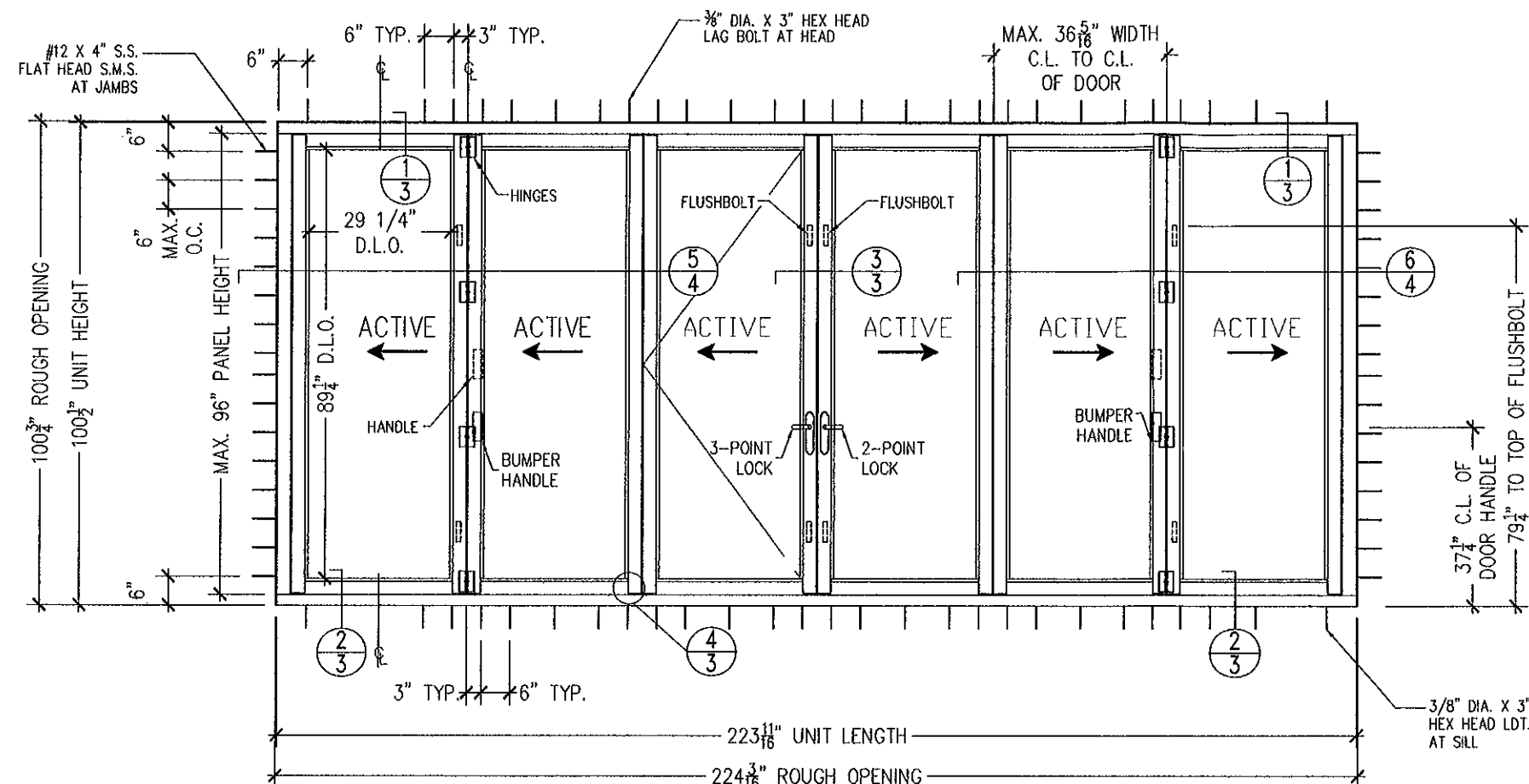
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	GENERAL NOTES
2	PANEL ELEVATION AND ANCHORING
3, 4	INSTALLATION DETAILS
5	INSTALLATION DETAILS AND GLASS DETAILS
6	COMPONENTS
7	B.O.M.

PRODUCT REVIEWED
for compliance with the Florida
Building Code
Approval No. 12-0329.07
Expiration Date DEC 28, 2012
By: [Signature]
Install Date Product Control

SOLAR INNOVATIONS 31 ROBERTS RD PINE GROVE, PA 17963				
5000 ST IN FOLDING DOOR GENERAL NOTES				
DRAWN: R.L.	DWG NO. 08-00081	REV B		
SCALE NTS	DATE 2/15/07	SHEET 1 OF 7		

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	6/25/07	R.L.
B	REVISED NOTE 1	03/22/12	R.L.



HINGE REQUIREMENTS	
X=FRAME HEIGHT(IN.)	# HINGES REQUIRED
80" <= X <= 100 1/2"	4

FRONT EXTERIOR VIEW

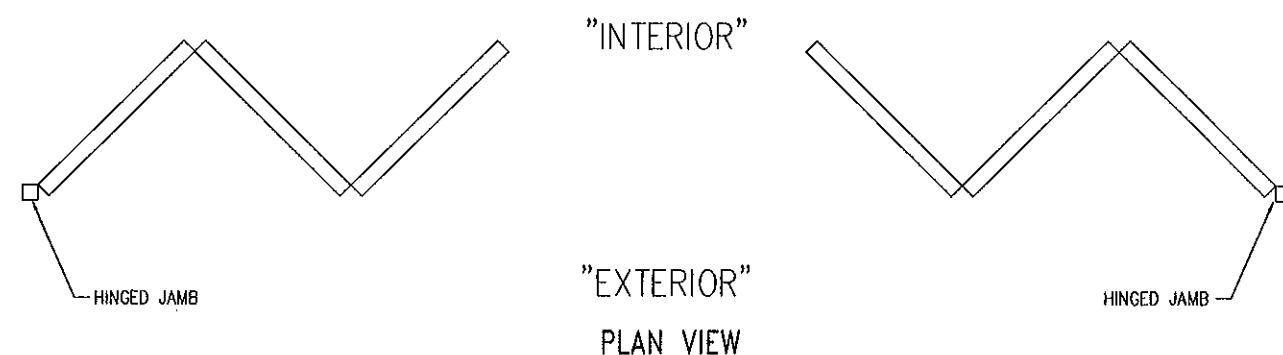
(6) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IS APPLICABLE AS LONG AS INDIVIDUAL PANELS DO NOT EXCEED PANEL SIZE AS SHOWN.

DESIGN PRESSURE RATING
±60.0 PSF

NOT APPROVED WHERE WATER INFILTRATION IS NEEDED

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 12-0329-07
Expiration Date 12/28/12
By Ishag I. Chande
Miami Dade Product Control

LARGE MISSILE IMPACT RESISTANT



SOLAR INNOVATIONS

31 ROBERTS RD
PINE GROVE, PA 17963

5000 ST IN FOLDING DOOR
PANEL ELEVATION AND ANCHORING

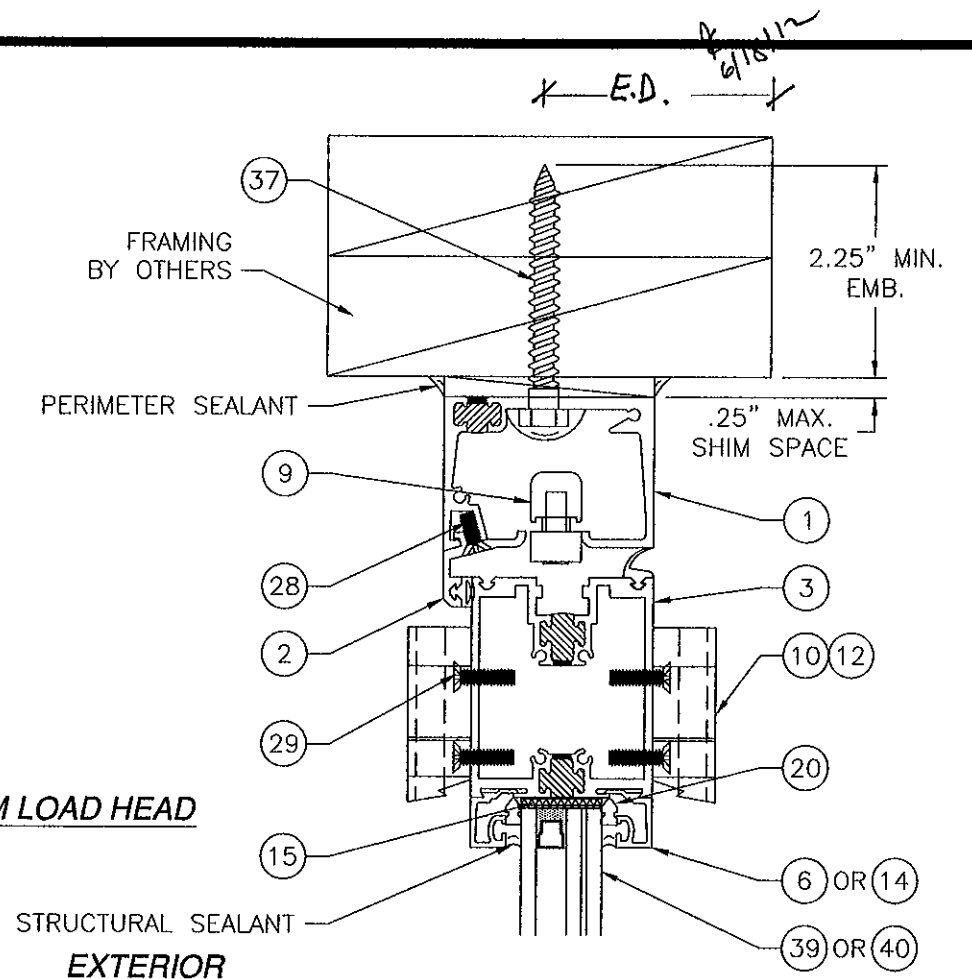
DRAWN: R.L.	DWG NO. 08-00081	REV B
SCALE NTS	DATE 2/15/07	SHEET 2 OF 7

Luis R. Lomas P.E.
Florida No. 62514

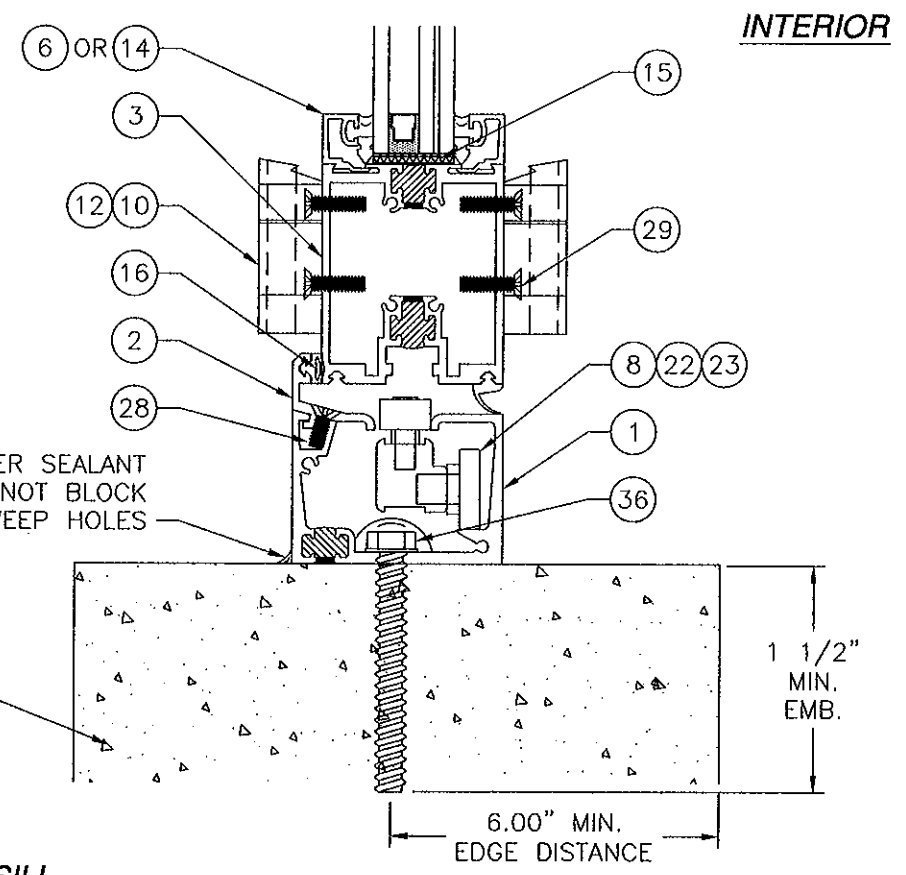
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	6/25/07	R.L.
B	REVISED NOTE 1	03/22/12	R.L.

1
3

BOTTOM LOAD HEAD

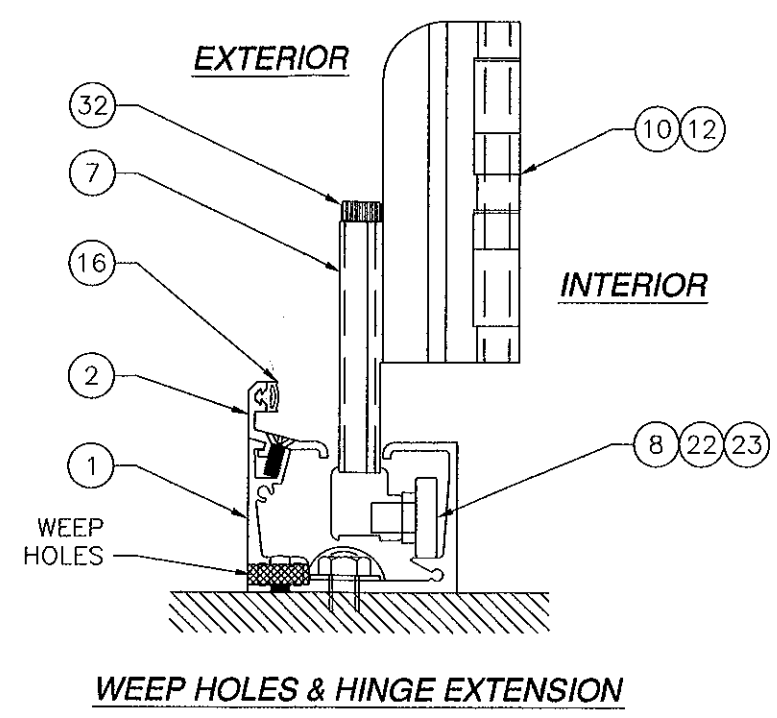


STRUCTURAL SEALANT
EXTERIOR

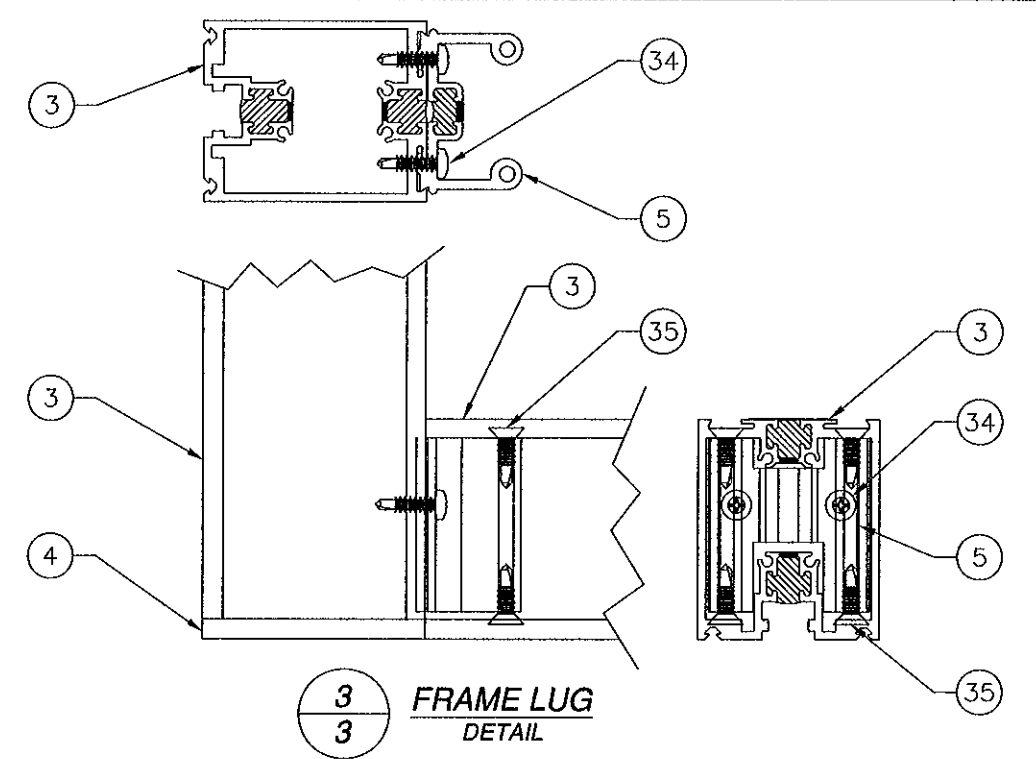


2
3

BOTTOM LOAD SILL

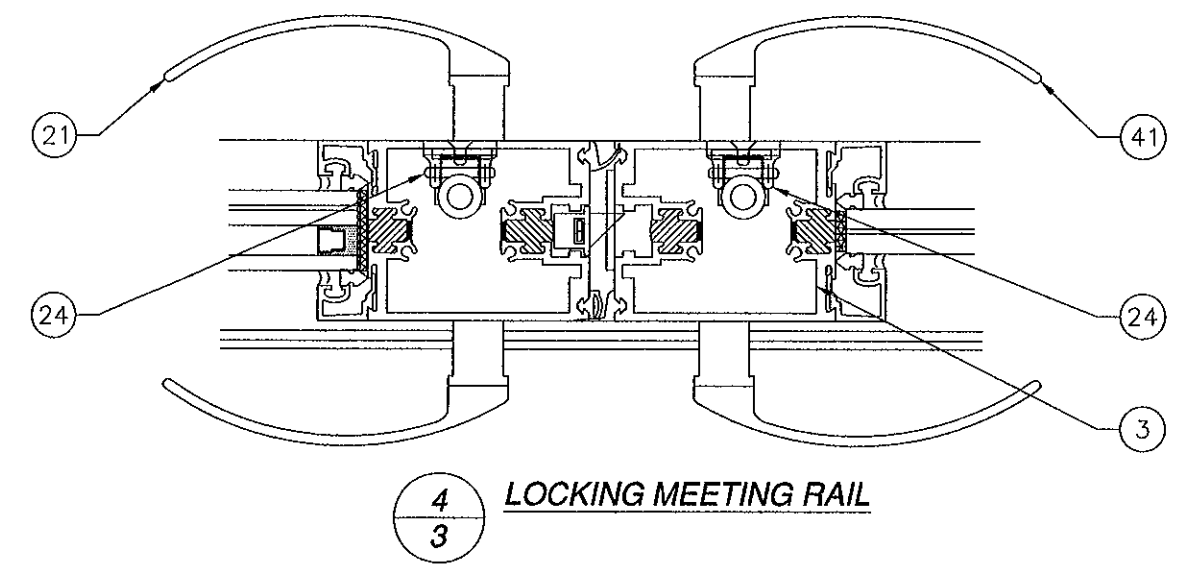


WEEP HOLES & HINGE EXTENSION



3
3

FRAME LUG
DETAIL



4
3

LOCKING MEETING RAIL

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 12-0329.07
Expiration Date 12/28/12
By *Luis R. Lomas*
Miami Dade Product Control

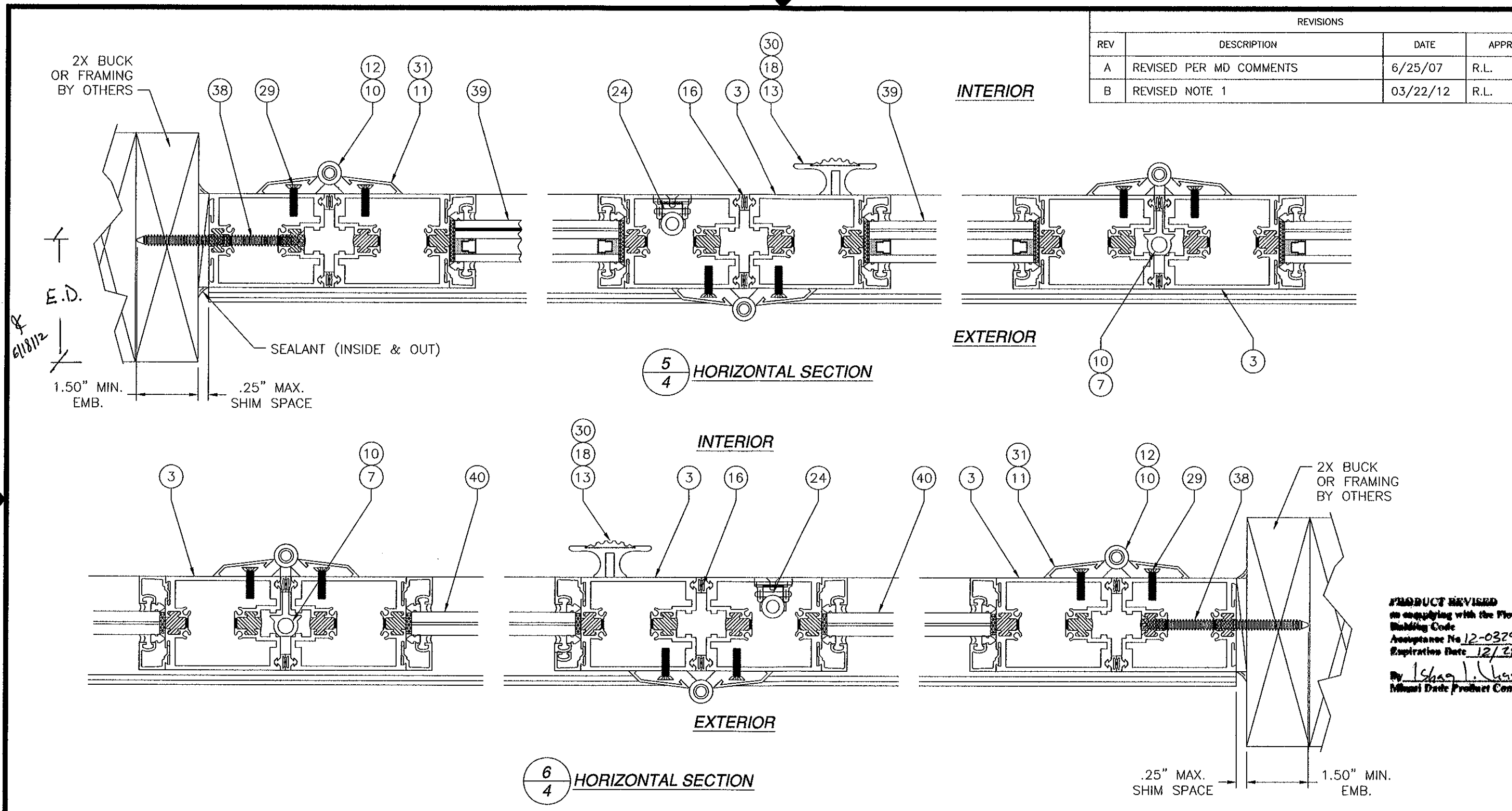
SOLAR INNOVATIONS

31 ROBERTS RD
PINE GROVE, PA 17963

5000 ST IN FOLDING DOOR
INSTALLATION DETAILS

DRAWN: R.L.	DWG NO. 08-00081	REV B
SCALE NTS	DATE 2/15/07	SHEET 3 OF 7

Luis R. Lomas
03/21/2012
Luis R. Lomas P.E.
Florida No. 62514



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	6/25/07	R.L.
B	REVISED NOTE 1	03/22/12	R.L.

PRODUCT REVISED
 to comply with the Florida
 Building Code
 Acceptance No. 12-0329-07
 Expiration Date 12/28/12
 By *Luis R. Lomas*
 Miami Dade Product Control

SOLAR INNOVATIONS

31 ROBERTS RD
PINE GROVE, PA 17963

5000 ST FOLDING WALL
INSTALLATION DETAILS

DRAWN:
R.L.

DWG NO.
08-00081

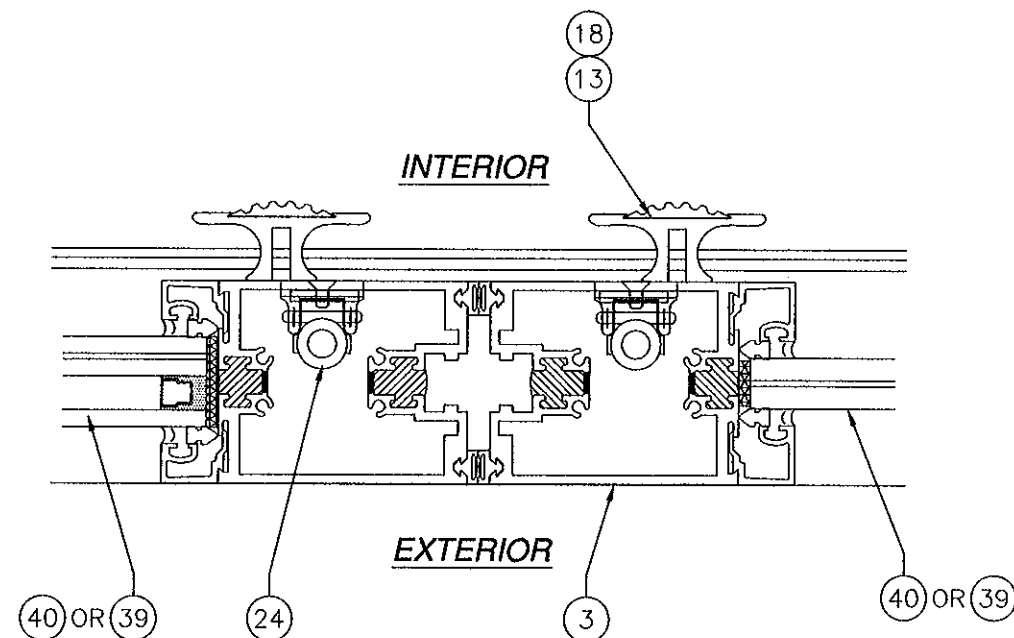
REV
B

SCALE NTS

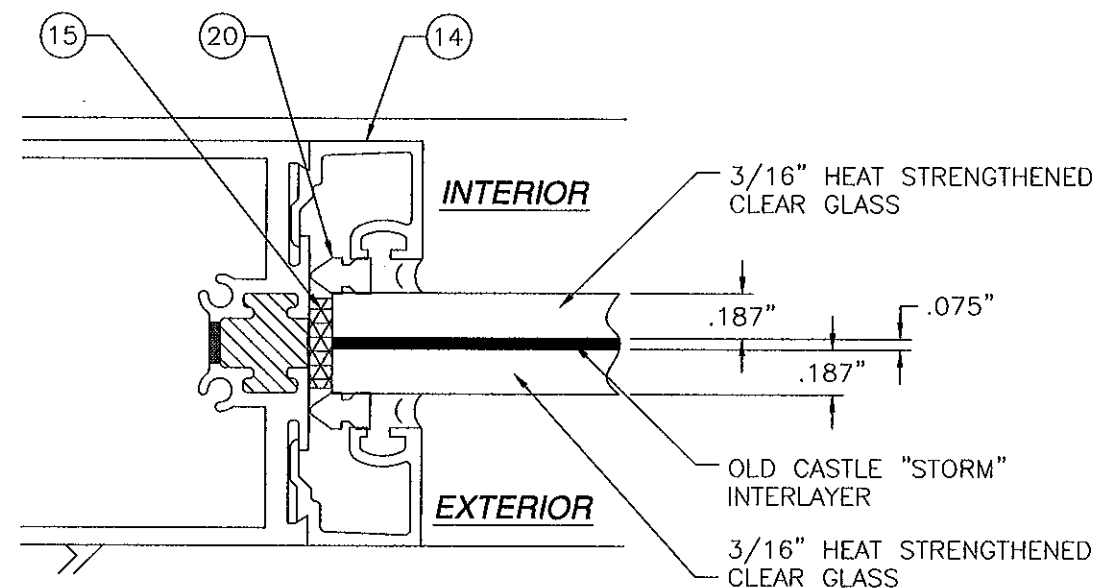
DATE 2/15/07

SHEET 4 OF 7

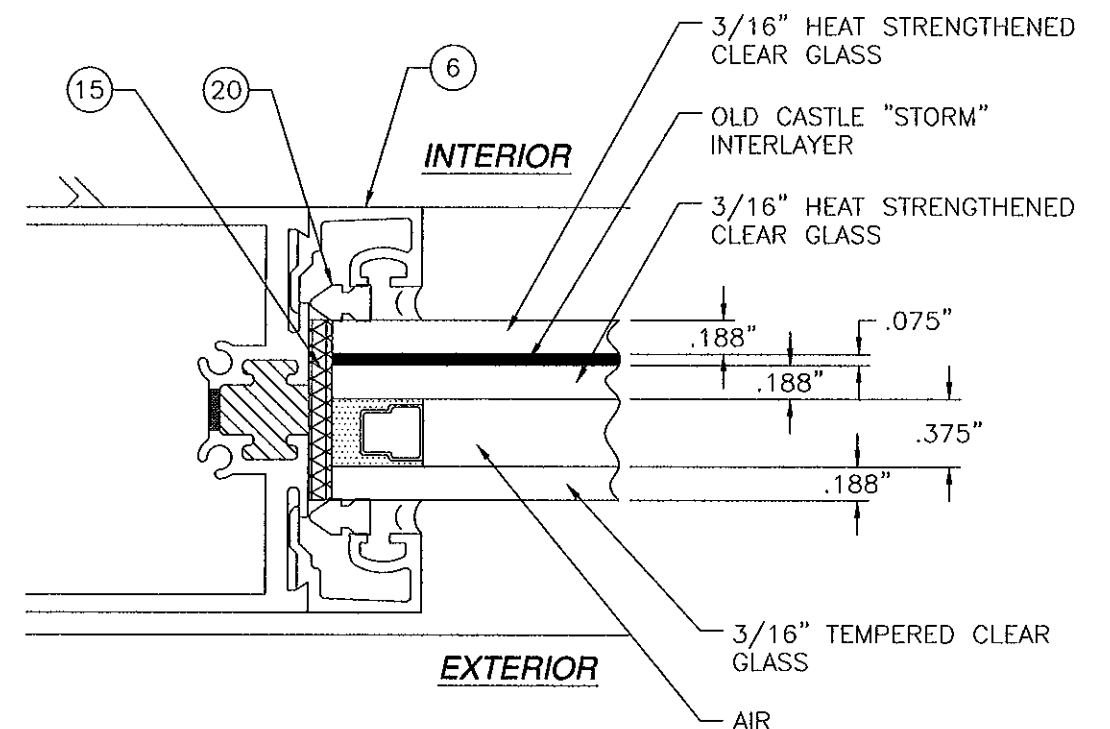
Luis R. Lomas
 03/21/2012
 Luis R. Lomas P.E.
 Florida No. 62514



**3 HORIZONTAL SECTION
3 AT SPLIT WALL OPTION**



**7/16" CLEAR HEAT STRENGTHENED
LAMINATED GLASS DETAIL**



1 1/16" INSULATED GLASS DETAIL

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 12-0329.07
Expiration Date 12/30/12
By [Signature] L. Lomas
Miami Dade Product Control

SOLAR INNOVATIONS

31 ROBERTS RD
PINE GROVE, PA 17963

5000 ST IN FOLDING DOOR
INSTALLATION DETAILS AND GLASS DETAILS

DRAWN:

R.L.

DWG NO.

08-00081

REV

B

SCALE NTS

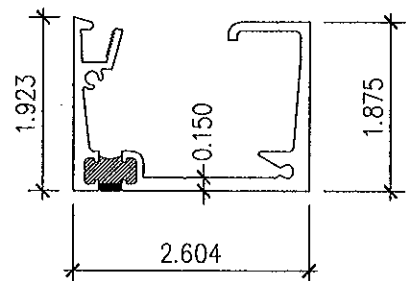
DATE 2/15/07

SHEET 5 OF 7

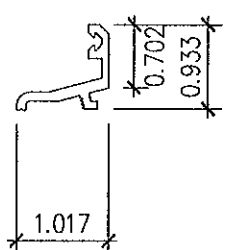
[Signature]
03/21/2012

Luis R. Lomas P.E.
Florida No. 62514

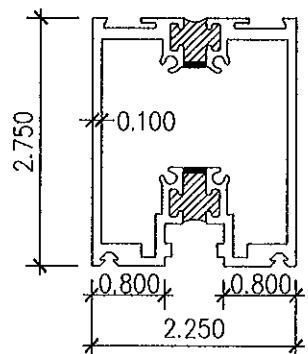
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	6/25/07	R.L.
B	REVISED NOTE 1	03/22/12	R.L.



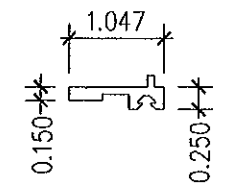
1 INFOLD HEAD/SILL



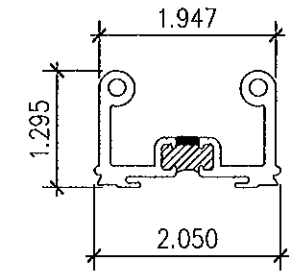
2 HEAD/SILL STOP



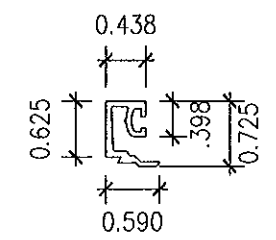
3 FRAME



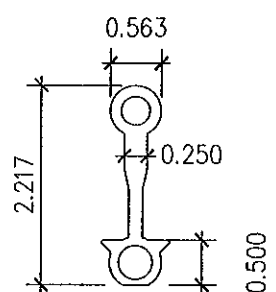
4 FRAME CAP



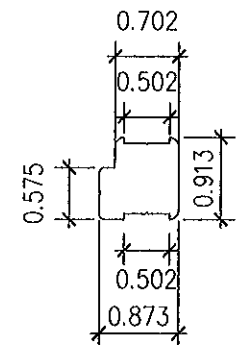
5 FRAME LUG



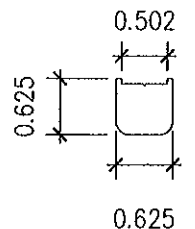
6 1" GLASS STOP



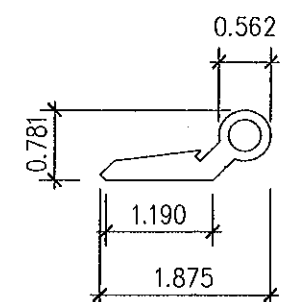
7 HINGE EXTENSION



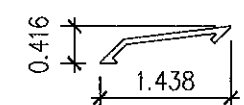
8 TROLLEY BODY



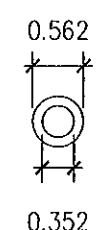
9 IDLER BODY



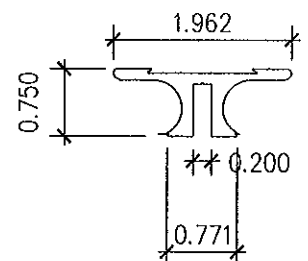
10 HINGE



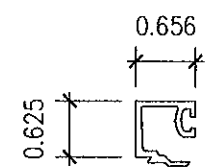
11 HINGE COVER



12 HINGE BARREL



13 HANDLE



14 9/16" GLASS STOP

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 12-0329.07
Expiration Date 12/18/12
By: Shag L. Lynde
Miami Dade Product Control

SOLAR INNOVATIONS 31 ROBERTS RD PINE GROVE, PA 17963			REV. B
5000 ST IN FOLDING DOOR COMPONENTS			Luis R. Lomas R.E. Florida No. 62514
DRAWN: R.L.	DWG NO. 08-00081	DATE 2/15/07	
SCALE NTS	SHEET 6 OF 7		

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	6/25/07	R.L.
B	REVISED NOTE 1	03/22/12	R.L.

PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
1	S34709	INFOLD HEAD/SILL (6063-T6)
2	S34711	HEAD/SILL STOP (6063-T6)
3	H07558	FRAME (6063-T6)
4	S34937	FRAME CAP (6063-T6)
5	H07559	FRAME LUG (6063-T6)
6	S34713	1" GLASS STOP (6063-T6)
7	H07560	HINGE EXTENSION (6063-T6)
8	S34716	TROLLY BODY (6063-T6)
9	S34717	IDLER BODY (6063-T6)
10	H07606	HINGE (6063-T6)
11	S34841	HINGE COVER (6063-T6)
12	H07562	HINGE BARREL (6063-T6)
13	S34938	HANDLE (6063-T6)
14	S34714	9/16" GLASS STOP (6063-T6)
15	1079-01-00	SETTING BLOCK (1/8X1X2 85 DUROMETER EPDM)
16	5088-02-00	PERIMETER BULB (70 DUROMETER EPDM/EPG)
17	5089-02-00	DOOR SWEEP (70 DUROMETER EPDM/EPG)
18	5285-01-00	HANDLE GUARD (65 DUROMTR SANTOPRENE/EPG)
19		NOT USED
20		3/16" ARROW SHIM
21		3 POINT LOCK SET (GU/BRASS)
22	HD50016100	TROLLEY BEARING 1" DIAMETER
23	HD50016000	TROLLEY BEARING 5/8" DIAMETER
24	HD50016302	FLUSHBOLTS (ALUMINUM WITH STEEL RODS)
25	HD50016509	HINGE BUSHING MP2 (GLASS GRAPHITE PTFE)
26	HD50016400	HINGE PIN 1/4" DIA. X 4 1/8" (SST)
27		FLUSHBOLT TIP (STEEL)
28		#10 X 1/2" FH SCREW (STAINLESS STEEL)
29		#10-32 X 3/4" FH SCREW (STAINLESS STEEL)
30		#10-32 X 1" FH SCREW (STAINLESS STEEL)

PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
31		#8-32 X 1/8" SET SCREW (STAINLESS STEEL)
32		3/8"-16 X4" SH CAP SCREW (STAINLESS STEEL)
33		#8 X 3/4" PH SMS (STAINLESS STEEL)
34		#10 X 3/4" PH TEK SCREW (STAINLESS STEEL)
35		#10 X 3/4" FH TEK SCREW (STAINLESS STEEL)
36		3/8" X 3" LDT (STAINLESS STEEL) (ITW/REDHEAD)
37		3/8" X 3" LAG SCREW (STAINLESS STEEL)
38		#12 X 4" FH SMS (STAINLESS STEEL)
39		1 1/16" INSULATED GLASS UNIT (SEE SHEET 5/11)
40		7/16" LAMINATED GLASS (SEE SHEET 11/5 & 6/18/12)
41		2 POINT LOCKSET AND HANDLES (GU/BRASS)
42		#12 X 3/4" FH TEK (STAINLESS STEEL)

NOTES:

- 1) ITEMS 17, 25, 26, 27, AND 33 ARE USED BUT NOT SHOWN.

PRODUCT REVISED
in complying with the Florida
Building Code
Acceptance No. 12-0329-07
Expiration Date DEC 28, 2012
By: Luis R. Lomas
Miami Dade Product Control

SOLAR INNOVATIONS 31 ROBERTS RD PINE GROVE, PA 17963 5000 ST IN FOLDING DOOR B.O.M.			REV B	
DRAWN: R.L.	DWG NO. 08-00081			
SCALE NTS	DATE 2/15/07	SHEET 7 OF 7		

